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# Coursera Capstone Project

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- A Recommender System - Asian Restaurants In USA
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# Business problem



Locating a good restaurant in your current location is a difficult task.



You cannot try every location.



Hence a good recommender system for the same is being built.



# Data

City data of the following will be selected:

- New York
- San Francisco
- Jersey City
- Boston
- Chicago
- Foursquare data of venues for the specific cities will be taken.

## Methodology



Finding number of Asian Restaurants in the mentioned cities.



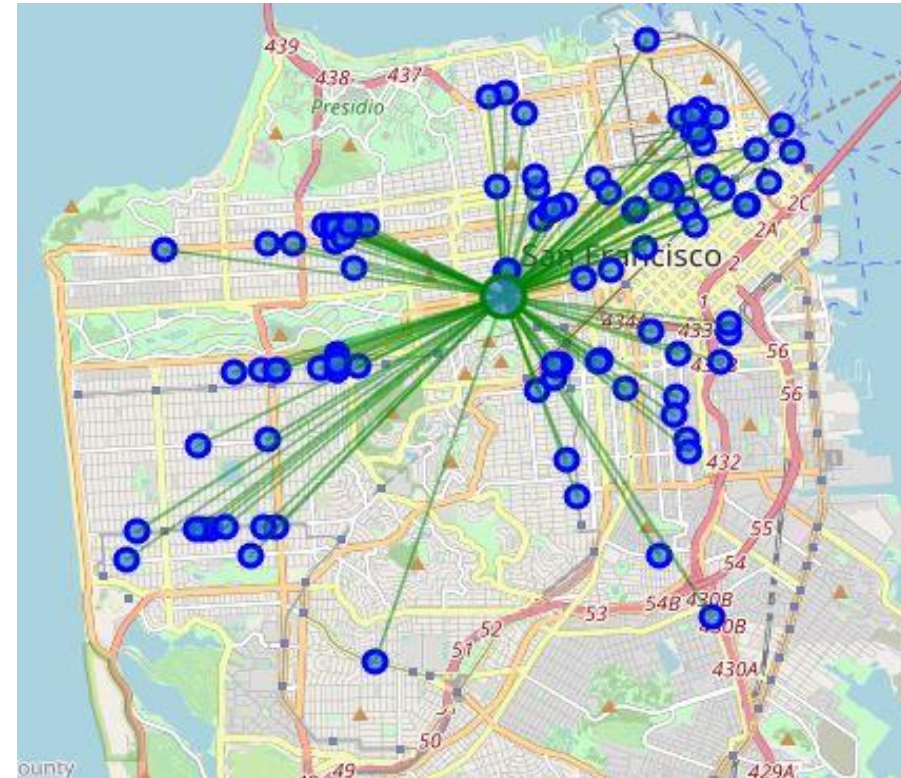
Mean distance between them and the centre point.



Using this mean to find the distance from the nearest hotel of the customer.



# Results



- Finding the mean point and the mean distance of centre point and the location of the mentioned cities.
- As seen below.

New York, NY

Mean Distance from Mean coordinates

0.024946457390823514

Chicago, IL

Mean Distance from Mean coordinates

0.05590536362248579

San Francisco, CA

Mean Distance from Mean coordinates

0.03249653614237302

Jersey City, NJ

Mean Distance from Mean coordinates

0.01957299077845755

Boston, MA

Mean Distance from Mean coordinates

0.028305034100733546

# Conclusion

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The number of restaurants in major cities is as follows.

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New York - 332

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Chicago - 304

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San Francisco - 301

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Boston - 270

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Jersey City - 167

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